

# MODERN ARCHITECTURAL LIGHTING

BULLETIN 33-100

BUILT-IN, BUILT-ON AND  
SPECIAL LIGHTING  
EQUIPMENT FOR

PUBLIC BUILDINGS

STORES

HOMES



## GARCY

### REFLECTORS

A DIVISION OF  
GARDEN CITY PLATING & MFG. CO.  
1430 SO. TALMAN AVENUE  
CHICAGO

# MODERN ARCHITECTURAL LIGHTING



WITH this booklet, GARC Y REFLECTORS endeavors to furnish further impetus to the application of modern architectural lighting, already stimulated into great vitality by the Century of Progress Exposition.

The aim of this booklet is to provide material for the rapid development of modern light sources as integral parts of the architectural plan instead of mere isolated points in a void. Its keynote is the efficacy of GARC Y combinations of metal work, reflectors and glass—complete units obtained from one source.

The high cost of this type of lighting as compared with older standardized forms has been a stumbling block to its more general use. The designs in this booklet are intended to point the way toward overcoming this obstacle.

Without sacrificing the modern spirit, or the GARC Y standards of quality, GARC Y designers have produced these fixture designs to combine wide applicability, lower manufacturing costs, economical installation and effective lighting.

However, individuality is still served. Many of the fixtures shown can be easily transformed into totally different and highly individual designs—and GARC Y REFLECTORS is ready as ever to collaborate with architects and designers to that end.

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GARC Y

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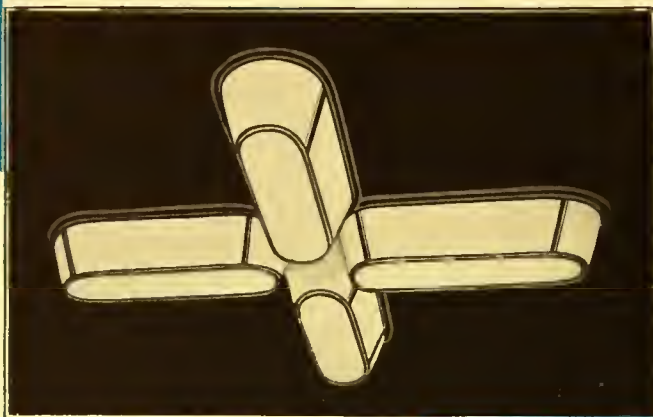
# The "COMBINATION" UNIT



6660

## "Ready-made" built-on lighting units

INTER-CONNECTIBLE fixtures that can be grouped to make various attractive patterns on the ceiling. Surface application permits installation without alterations. In many cases existing outlets are sufficient for the installation.

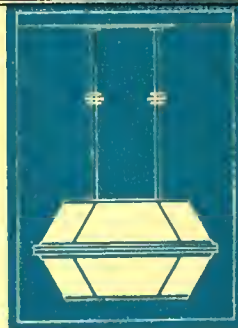


6660

Each unit is 34" long, 11" wide—hinged for relamping, metal in aluminum or colored finishes. Has sockets for 4 lamps up to 100 watt each.

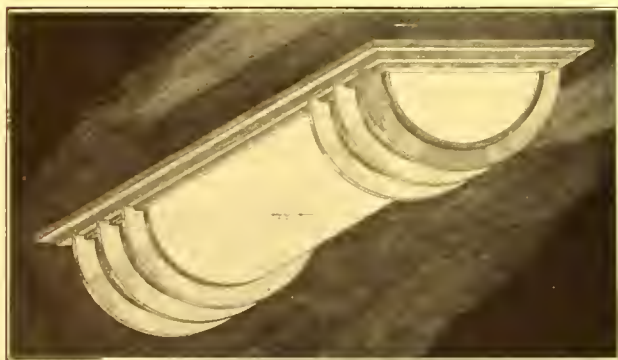
6659

A pair of "Combination" units joined and suspended from the ceiling. Particularly practical for high or arched ceilings.



The combined units have eight sockets for lamps up to 100 watts each. Suspension rods can be furnished any length.

# The "ARISTOCRAT"



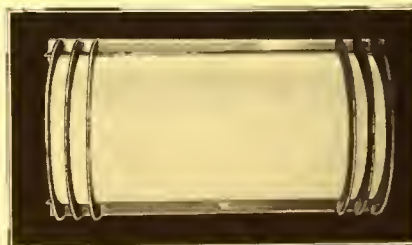
6668

A most aristocratic stock fixture with its extruded aluminum hinged frame with cast aluminum fins and half of a 12" cylinder of flashed opal glass.

Unit is 17" wide, 35" long—wired with 4 sockets for standard lamps up to 100 watt each, or with 2 sockets for T8, 40 watt, tubular lamps.

Can also be furnished in sections of any length to join together in continuous lines of "built-on" lighting. Sections are easily joined and wired together. Special mitered sections can be furnished for corners and bends.

# "ARISTOCRAT Jr."



6664

A smaller edition of the "Aristocrat" with open ends, for ceiling or wall mounting. Glass slides out through one end.

6 1/4" wide, 11" long—with socket for 25 watt tubular lamp—satin finish louvers and frame. Any other size or finish can be furnished.



# INDIRECT ILLUMINATION

from COLUMN



6698

Outside of main bowl is rendered luminous by spill light from below, either with or without a color filter. Only one lamp is required in each fixture.

Made of satin polished aluminum. Also highly polished brass or any plated finish. Fixture is 12½" high.

from CEILING



6696

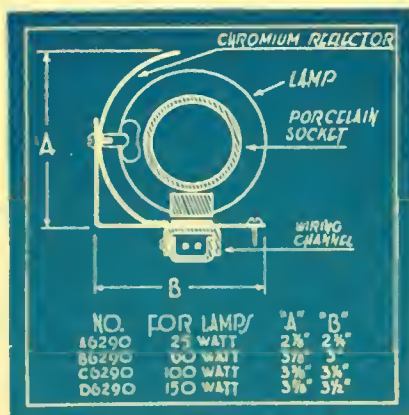
A scientifically shaped, matte-surface reflector effectively diffuses the light from the trough below over a wide area.

Reflector can be furnished in cream, with the trough lacquered or plated, as desired.

Fixture is 25" x 32" at the top, with 4 sockets for lamps up to 100 watt.

Other sizes or sectional lengths to be joined and wired together for continuous effects can be furnished.

from COVES



The four sizes of cove reflectors shown at the left provide a simple but no less effective substitute for the more elaborate troughs heretofore used. The chromium lining is removable in sections for easy cleaning.

The Garcy line includes every type of trough reflector, for every lighting purpose. Write for Catalog 31, showing complete sections of GARC Y troughs for cove and other lighting, hinged glass frames, etc.

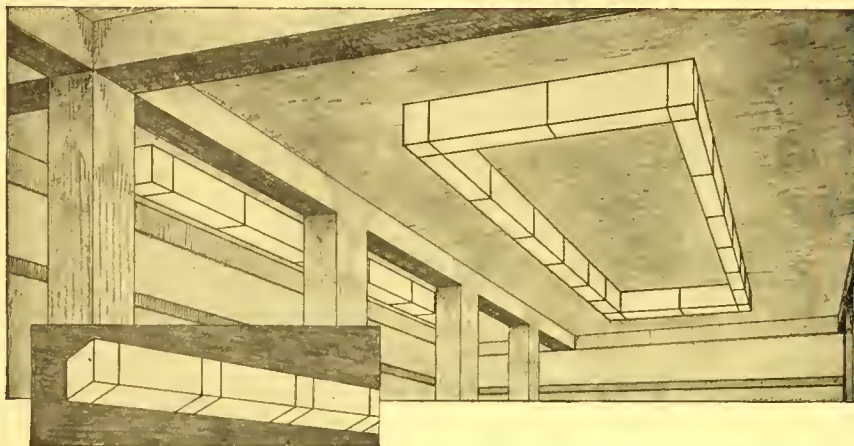
Consult GARC Y engineers for indirect lighting of department stores, homes, offices and other interiors.



A recent Baltimore installation. A special GARC Y porcelain trough contains 10 watt lamps wired in four circuits. With motor-operated dimmer plates an infinite number of color and tonal lighting effects can be produced. J. S. Nussner, Jr., Architect

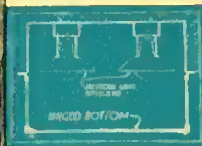
**GARC Y**

# CEILING LUMINAIRES



**6621**

Surface mounting,  
single width.



**6622**

Recess mounting  
double width.

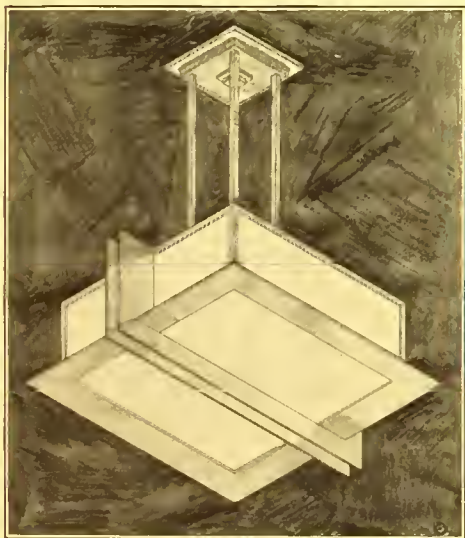
Sections are  $\frac{1}{16}$   
actual size.

Simple light boxes, coupled up on the ceiling to form straight lines, rectangles, crosses and geometric patterns, provide a modern and effective lighting system. Box fixtures can be furnished in all sizes, as complete lighting units, as sectional units for

coupling together, or in continuous lengths, with plain or decorated diffusing glass, with or without special ornamentation such as fins, grilles, etc.

For relamping, boxes can be made removable or hinged; or with side or bottom panels hinged; or with bottom panels arranged to slide over each other.

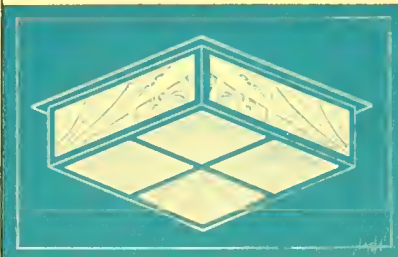
Details of standard size boxes can be furnished on receipt of information as to size and spacing of lamps to be used, and type of mounting desired.



**6623**

An interesting variant of the light box, suspended from the ceiling. Two metal fins divide the fixture on three sides.

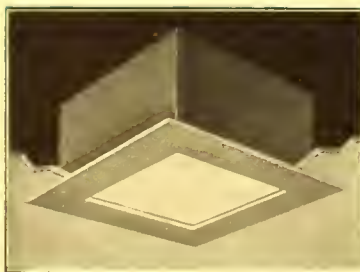
Bottom face is  $15\frac{1}{2}$ " square. Overall suspension, 32". Satin chrome finish, flashed opal glass. Any other size or finish can be furnished.



**6624**

A light box fixture for 4 lamps. Side panels of carved or etched glass in any design desired.

Bottom panels are prismatic glass plaques, No. 6267, shown on page 10.



**6209**

Flush recessed light boxes.

Available in all sizes, with light-directing prismatic lenses (GARCY Directo-lenses), or any type of diffusing glass. Specification data sheets on request.

Also available with protecting wire guard for gymnasiums.

**GARC Y**



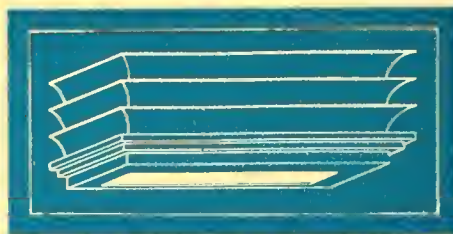
# COLUMN or WALL FIXTURES



**6258**

A triangular fixture with sloped ends.

8" wide, 36" high, for surface application. 4 sockets for lamps up to 100 watt each. Aluminum finish. Other sizes and finishes are available.



**6256**

Curved louvers in this fixture are color-illuminated. Main light is thrown downward.

Can also be furnished for light to be distributed toward ceiling.

12" wide, 6" high. Other sizes can be furnished.

Can be made for any size lamps, or in continuous lengths.

Ceiling fixtures to match, see page 13.



**6226**

Continuous GARC Y reflectors built into walls and columns. Reflectors are concealed behind GARC Y metal frames with frosted glass and louvers. One row of reflectors near the ceiling, and another, smaller in size, above the wall cases and mirrors provide beauty and distinction for this store.



Section  $\frac{1}{16}$  size of No. 6226 reflector with frames.



**6608**

Half opal diffusing glass cylinder in heavy brass frame, plated any finish. Removable top. Porcelain reflector. Surface application.

5½" wide, 11" high.

6½" wide, 18" high.

From first sketches to delivery of lighting equipment, GARC Y offers a complete designing and manufacturing service.



**6611**

Columns, pilasters, soffits and other architectural elements are ideal for built-in lighting. The type of glass, and the number and sizes of lamps employed, will determine if the luminous column top suggested here will be merely decorative or an efficient source of illumination as well.

**GARC Y**

# LUMINOUS ARCHITECTURAL ELEMENTS

A WIDESPREAD demand for standard glass elements for continuous built-in lighting has inspired the shapes shown on this page. Use of these elements means a more economical installation, since it eliminates design, mold and pattern charges.

These designs are only a few of the many stock patterns available.

GARCY designers and engineers are glad to assist in the designing of fixtures with stock patterns, or in developing new patterns when required.



6244

This shape is available as a complete cylinder, half cylinder as illustrated or quarter cylinder. White or cream colored natural diffusing glass. Stock lengths are 12" and 23".

The blueprint illustrations to the right and below, suggest a few of the many possible applications of this glass.

Dimensions of half cylinder—7 $\frac{1}{8}$ " wide, 3 $\frac{1}{2}$ " high.



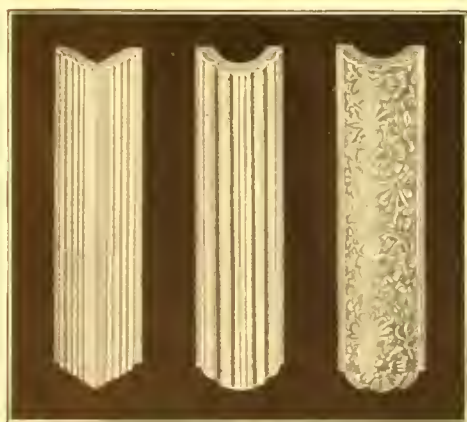
6654

A wall fixture for tubular lamps employing No. 6244 glass in quarter cylinder.

12" long, for 1 lamp; 24" long, for 2 lamps, or any length desired.



The sections are  $\frac{1}{8}$  actual size of continuous fixtures utilizing joined lengths of No. 6244 glass in half and quarter cylinders. Any length can be furnished. Full size blueprints on request.



6245

6246

6247

Matte finished crystal glass pillars in lengths up to 30". All three patterns are 5" wide, 2" deep.



6248 Flanged half cylinder, 5 $\frac{1}{2}$ " x 2 $\frac{1}{2}$ ". Marbleized diffusing glass

Marbleized diffusing glass is available in cylinders and half cylinders, round, square, hexagonal—also channels and right angles—in a variety of sizes.



6249 Hexagonal cylinder, 4 $\frac{3}{8}$ " diameter at points. Marbleized diffusing glass.

GARCY



# RECENT GARCY IN



## ART GALLERY

*French Institute in the United States, New York City  
Hood & Foulhoux, Architects*

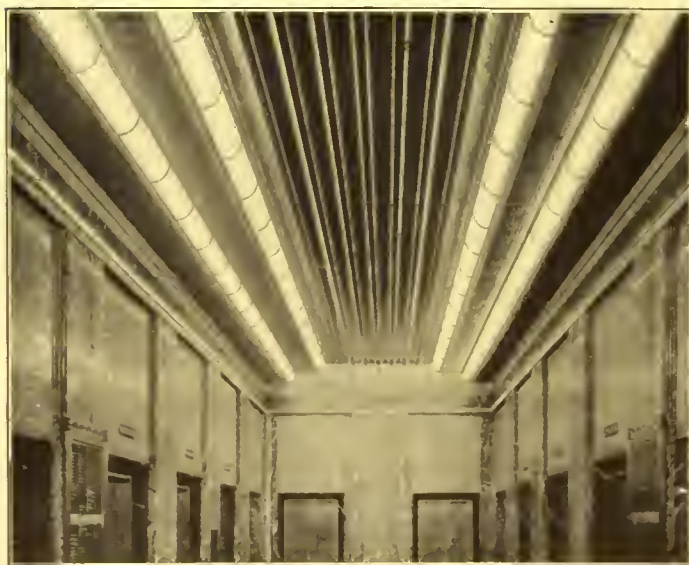
The photograph shows part of the art galleries. The lighting equipment consists of GARCY continuous trough reflectors with hinged door frames, in which are set prismatic directo-lenses. The lens frames slope upward from the central dropped portion of the ceiling to the higher areas near the wall.



Section is  $\frac{1}{8}$  size.

6212

Continuous reflector used in this installation.



## LOBBY

*New Center Building, Detroit, Mich.*

*Albert Kahn, Inc., Architects*

Glass tubes were joined to form the luted glass behind which are concealed continuous GARCY reflectors.

## AT A CENTURY

CHICAGO

More than 85 exhibits

CONVENTIONAL types of practically eliminated at the natural lighting from built-in. This type of lighting equipment is manufactured only by men skilled in the art of lighting, and its limitations and proper use are well known and reflectors.

The GARCY organization work, lighting equipment or building exhibits and concessions, a few

Let us send you a descriptive folder METAL, or catalog 31, which contains REFLECTORS.



GARCY



# INSTALLATIONS

## CENTURY OF PROGRESS

CHICAGO, 1933

more than 85 exhibits GARCY equipped.

ADDITIONAL types of lighting fixtures have been eliminated at the Fair, and replaced by architecting from built-in, built-on, or concealed sources. Lighting equipment can be successfully manufactured by men skilled and experienced in the possibilities and proper lighting utility of metal, glass and plastic.

GARCY organization was chosen to provide metal lighting equipment or both for more than 85 buildings, concessions, a few of which are illustrated here. Send you a descriptive folder on GARCY ORNAMENTAL lighting catalog 31, which contains the general line of GARCY lighting fixtures.

H. J. Heinz  
exhibit  
(57 Varieties)  
Agriculture  
Bldg.



U.S. Coast Guard and Canadian  
Hull of Science



R. R. Donnelley & Sons Co.  
(The Lakeside Press)  
General Exhibits



Recent Unions  
Hall of Science



Kodak  
Hall of Science

GARCY

# LUMINOUS PANELS



6267

Prismatic design moulded plates. Stocked in clear, satin finish or natural diffusing glass. Sizes are 6½", 8" or 12" square.



6648

¾ actual size.



6649

¾ actual size.

The blueprints are offered as suggestions for the installation and illumination of glass plaques. GARC Y metal frames can be made any size to hold any number of plaques, and standard GARC Y reflectors are available in all sizes and for every type of lamp.



6268

Bird design, 4" square.

The bird panels shown are stocked in clear, satin finish or natural diffusing glass, with an open grille effect. Can also be furnished without grille openings.



6269

Bird design, 4" x 12".



6283 8½" x 17"

Clear or satin finish glass. Also available with grille effect.



6284 9" square

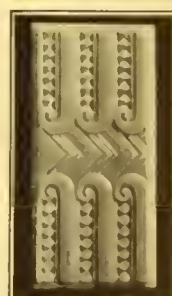


6285

5½" square. Clear or satin finish glass.



6286 4¾" x 13"



6287 5¾" x 11½"

These panels combine excellently for all-over patterns. Clear or satin finish glass. No. 6286 can also be had without grille effect.

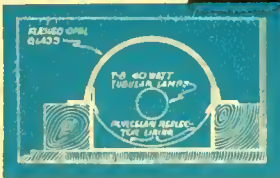
GARC Y



# COMMERCIAL ILLUMINATION

AN  
ATTRACTIVE  
REMODELED  
STORE  
FRONT

*Koenigsberg  
& Weissfeld,  
Architects.*



6673

Reflector in panel border.  
 $\frac{1}{32}$  actual size.

## EXTERIOR LIGHTING AND METAL WORK

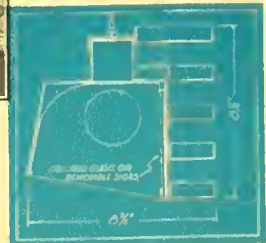
A continuous GARC Y reflector behind half cylinder opal glass provides a line of light around the panel. The modern aluminum letters, panel and stripes harmonize with the panel border, and form an emphatic contrast against the dark background. One source for all of this work assures co-ordination of the design units.



See Bulletin 33-10,  
"Merchandising With  
Light,"

for GARC Y food store  
illumination equipment.  
(A. I. A. File Nos. 31-f14  
and f22.)

Reflectors for every type  
of store interior, see gen-  
eral catalog 31 (A. I. A. file  
Nos. 31-f1 and f2).



Section  $\frac{1}{8}$  actual size.

## INTERIOR STORE ILLUMINATION

No. 6761 counter reflector. Metal louvers are furnished in two tone finish. Louvers are illuminated from within through colored glass. Provision is made between louver sections for removable luminous signs. Any lengths can be furnished from stock parts.

**GARC Y**



# WALL FIXTURES



6662

Modern satin finish metal with opal glass cylinder.

Takes tubular lamps. Surface mounted to fit over standard wall outlet.

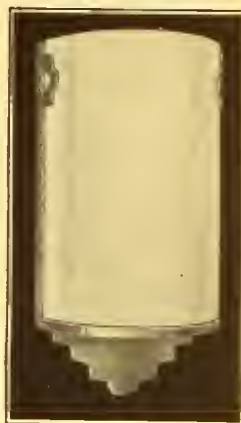
3" x 10" cylinder for 25 watt lamp.

3" x 14" cylinder for 40 watt lamp. Other sizes can be furnished.

6663

A surface mounted bracket with a half opal glass cylinder which can be slid up and out. Fixture has glass bottom.

Made with half cylinders either 4" or 5" wide. Height overall is 11 1/2". Other sizes can be furnished.



6608

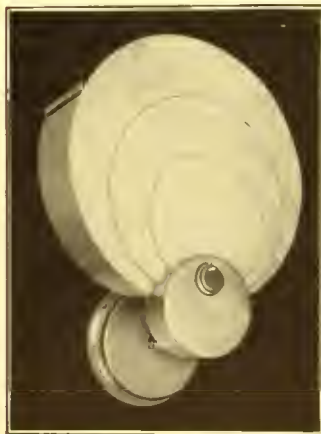
The wall brackets in the living room, seen through the arch in the photograph at right, are fully described on page 6 of this bulletin.



## Cove Lighting

A neat, unobtrusive and inexpensive method of indirect illumination for an entry or hallway.

In this installation, 2 lengths of show case type reflector (GARC Y No. 3301) curved to fit the arches and equipped with color filters, produce a soft colored light on the upper walls and ceiling.



6665

Three circular discs of opal glass in a metal housing.

Finished satin nickel. Largest disc is 8" diameter. For lamp up to 60 watt.

6666

Two plates of frosted glass in a metal bracket.

Bracket any finish. Large plate is 14" high, 12" wide. For standard or tubular lamps up to 100 watt.

Glass in these fixtures can be furnished cut to any other shape. Beautiful color effects can be obtained by substituting colored glass or colored translucent fibre board (all the plates in one color, or each plate a different color).

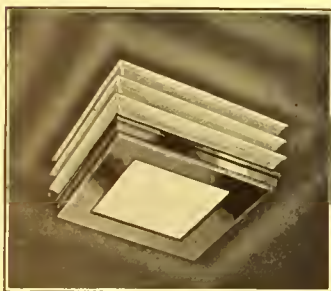


GARC Y

## MODERN HOME LIGHTING

The unique design of the modern dinette at the right was attained through close co-operation between the architect and GARC Y engineers, before the project was begun. In the corners are luminous opal glass panels in GARC Y hinged frames concealing plastered niches. Within each niche, which is silver painted to produce an even level of illumination through the glass panels, is concealed a GARC Y showcase type reflector (No. 3301), mounted on special swivel brackets to facilitate relamping.

The ceiling fixture (No. 6670) is a triangular prism consisting of flashed opal glass panels in a metal frame, suspended from the ceiling, and ornamented with metal fins.



6253

A ceiling fixture of aluminum. Light from a single lamp is distributed downward evenly, effectively, through a moulded glass plaque, and flows sideways through fibre color filters, illuminating the curved aluminum louvers to look like colored glass, and throwing bands of colored light upon the ceiling.



L. R. Solomon & Associates, Architects

## WALL FIXTURES FOR HOMES

*For mirrors, niches, hallways, etc.*

6326

A fixture on swivel brackets.

Illustration shows satinol (a ribbed glass of blue cast). Can also be used vertically and pivoted to any desired angle.



Fixtures are 18" long for 2 lamps, 24" long for 3 lamps. Other sizes are available.

Satin nickel finish. Also gloss enamel, any color, or plated finishes.

Switch can be built into fixture if desired.



6605

Fixture with curved opal glass. Top removable for relamping.



6604

Wall fixture with flat opal glass. Bottom hinged for relamping.



The photograph at left shows a double unit of fixture No. 6210 for two lamps with Directo-lenses for controlled lighting over kitchen sink.

Available in different sizes for local illumination throughout the home. See illustration, page 5.



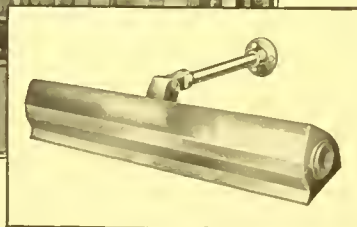
Close up of No. 66-6 mirror fixture.

6676



Inexpensive vanity fixtures with opal glass cylinders and brackets to attach to rear of mirror.

Finished satin chromium in harmony with hardwood furniture. Any other finish can be furnished.



Books are illuminated by stock GARCY picture reflectors, No. B6085, finished to match walnut woodwork. GARCY also offers many types of built-in lighting for book cases, as well as special lighting effects for modern day furniture.



GARCY offers a variety of lighting fixtures for built-in mirrors of this type. The fixture shown is No. 6605, described on the previous page.

Other fixtures suitable for mirrors are the wall fixtures shown on pages 6, 12 and 13. Another highly effective lighting method consists of built-in wall panels of the general type shown on pages 10 and 13.

**GARCY**



# HOME LIGHTING MODERNIZED ECONOMICALLY

THE fixtures on this page are examples of the type that can be used for replacements without recourse to structural changes or new wiring.

Photograph at right shows an attractively remodeled living room. The old lighting fixtures were replaced by—

6671

A ceiling fixture in which three half cylinders of opal glass shield the lamps from view and provide even, well diffused light.

6697

Indirect wall bracket. This is an exceedingly attractive fixture. A single lamp provides general indirect illumination upwards, and the spill light is reflected on the outside of the aluminum cones, providing an illusion of luminous glass. Base and wall plate can be furnished in any color for contrast.

Can also be furnished with color filters to provide colored light on outside of cones.

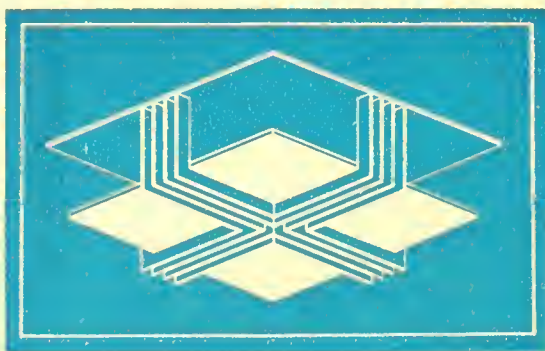
Top cone is 11½" diam. Takes lamps up to 250 watts.



6680

A ceiling box of marbled glass.

Glass box is 8" square, 6½" high. Also available with glass box 11¾" x 8", 6½" high.



6259

A diffusing glass plate is supported beneath the lamps and metal ceiling plate by polished metal fins.

Also furnished with rods for ceiling suspension.

Available in all sizes from single lamp units of up to 60 watt capacity to large four-lamp units, with capacity up to 800 watts or more.

GARGY

A Style and Size  
for Every Purpose



Approved by the National  
Board of Fire Underwriters

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706 Builders Exchange Bldg.....Phone CR1691

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## THE FOLLOWING LITERATURE WILL BE SENT ON REQUEST

### CATALOG 31

Contains showcase reflectors — lighting for refrigerated display cases — wall case lighting — show window lighting — built-in and built-on lighting — picture gallery lighting — bank lighting — illuminated signs — indirect and concealed lighting — applications of continuous, unit or box type reflectors to lighting of hospitals, gymnasiums, churches, stores, public building lobbies and interiors, blackboards, maps, stock quotation boards, etc.

### SHOW CASE ILLUMINATION

Bulletin 31-6. The GARCY standard line of showcase reflectors.

### ORNAMENTAL METAL—METAL DISPLAY CASES

Bulletin 32-30. Applications and installations of GARCY ornamental metal in interior trims and the construction of display cases and metal furniture — sectional drawings of GARCY extruded metal shapes. Standard display case moulding designs.

### LIGHTING FOR PICTURES AND MUSEUM EXHIBITS

Bulletin 32-40. Showcase reflectors — built-in, built-on or suspended reflectors for picture galleries and other wall type exhibits — arm bracket reflectors for individual pictures, maps, etc.

### MERCHANDISING WITH LIGHT

Bulletin 33-10. Store illumination with particular reference to retailing of foods. Continuous cornice reflectors for open display or self-service shelving; lighting of produce tables, bakery display cases, bottled goods, meat display cases, etc. — lighting reflectors as an integral part of the architectural treatment — incorporating illuminated signs into lighting reflectors.